



DEPARTMENT OF WATER RESOURCES
EXAMINATION ANNOUNCEMENT



The Department of Water Resources offers Equal Opportunity for all regardless of race, color, creed, national origin, ancestry, sex, marital status, disability, religious or political affiliation, age, or sexual orientation.

It is an objective of the State of California to achieve a drug-free State workplace. Any applicant for State employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service and the special trust placed in public servants.

ENGINEERING GEOLOGIST
OPEN STATEWIDE
CONTINUOUS

This cancels and supercedes the bulletin issued 06/08.

FINAL FILING DATE	CONTINUOUS FILING There is no final filing date. Application forms (STD 678) will be accepted on a continuous basis and will be held until an examination is scheduled. Test dates are established by the Department of Water Resources. Testing is considered continuous as dates can be set at any time and the eligible list is merged. Once examination date(s) have been established, subsequent applications received will be held until the next administration of the examination. Faxed or photocopied applications must be followed by an application with an original signature in order to be accepted into the exam.	
WHO SHOULD APPLY	This is an open examination. Applications will not be accepted on a promotional basis. Career credits do not apply.	
HOW TO APPLY	Examination Applications (Form STD 678) may be mailed or filed in person to: <div>MAILING ADDRESS:Department of Water Resources P.O. Box 942836 Sacramento, CA 94236-0001</div> <div>FILE IN PERSON:Department of Water Resources 1416 9th Street, Room 320 Sacramento, CA 95814</div> DO NOT SEND APPLICATIONS TO THE STATE PERSONNEL BOARD OR DEPARTMENT OF WATER RESOURCES' FIELD OFFICES. Applications are available at Department of Water Resources' (DWR) offices, the DWR website: www.water.ca.gov/jobs/currentexams.cfm , local office of the Employment Development Department, the State Personnel Board (SPB), and the SPB website: www.spb.ca.gov/jobs .	
IDENTIFICATION REQUIRED	Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination.	
SPECIAL TESTING ARRANGEMENTS	If you have a disability and need special testing arrangements, mark the appropriate box in Question 2 of the "Application for Examination". You will be contacted to make specific arrangements.	
SALARY RANGE	Range A: \$4608 - \$5334 Range B: \$5276 - \$6409	Range C: \$6494 - \$7895 Range D: \$6927 - \$8422
ALTERNATE RANGE CRITERIA	Range A - This range shall apply to incumbents who do not meet the criteria for Range B, C, or D. Range B - This range shall apply to incumbents who have satisfactorily completed either (1) one year in the California state service as an Engineering Geologist, Range A; or (2) two years of professional engineering geological experience including one year of actual detailed field study applicable to the solution of groundwater or civil engineering problems; or (3) possession of a Master's Degree in Geology or Engineering Geology. This is in addition to any degree used to qualify for the Engineering Geologist examination. (Professional experience is defined as experience equivalent to Engineering Geologist, Range A, gained after meeting the minimum qualifications for entry into the Engineering Geologist class.) Range C - This range shall apply to incumbents who have satisfactorily completed either (1) two years in the California state service as an Engineering Geologist, Range B; or (2) four years of professional engineering geological experience outside of the State service, including two years of actual detailed field study applicable to the solution of groundwater or civil engineering problems. (Professional experience is defined as experience equivalent to Engineering Geologist, Range B, gained after meeting the minimum qualifications for entry into the Engineering Geologist class.) Range D - This range will apply to incumbents who meet the criteria for Range C and who possess a valid certificate of registration as a professional geologist or geophysicists issued by the California Board of Geologists and Geophysicists.	
ELIGIBLE LIST INFORMATION	An open eligible list will be established for the Department of Water Resources. Names of successful competitors will be merged onto the list in order of final scores regardless of date. Eligibility for new candidates will expire after 12 months. Competitors may only test once during a 12- month testing period.	
EXAMINATION DATES	The entire examination consists of a Qualifications Appraisal Interview. The interviews will be determined by the testing office as needs warrant.	
REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION	NOTE: All applicants must meet the minimum qualifications for this examination by the final cut-off date. Education: Equivalent to graduation from college with major work in geology, engineering geology, or a closely related field that includes coursework in geology. (Additional qualifying experience may be substituted for the required education on a year-for-year basis.) (Registration as a senior in a recognized institution will admit applicants to the Engineering Geologist examination, but they must produce evidence of graduation or its equivalent before they can be considered eligible for appointment.) For registered seniors who are applying for this examination, please include a copy of your transcripts which indicates your status.	

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION

ENGINEERING GEOLOGIST OPEN		CONTINUOUS	
POSITION DESCRIPTION		<p>Engineering Geologist positions in the Department of Water Resources generally fall into two areas of work, engineering geology or groundwater.</p> <p>An Engineering Geologist performing engineering geology work conducts investigations for the purpose of obtaining the necessary geologic data for the planning, design and construction of dams and water conveyance facilities. The Engineering Geologist characterizes soil and rock for the purpose of engineering analysis and assists in determining its suitability as foundation for civil structures and for construction materials. The Engineering Geologist performs seismic hazard analyses for the design and re-evaluation of dams and water conveyance facilities. The Engineering Geologist prepares maps, cross-sections, and reports to communicate the results of these investigations.</p> <p>An Engineering Geologist working in groundwater investigates the sequence, structure, and other properties of geologic materials with respect to water supply, water quality, groundwater flow, and groundwater surface water interaction; evaluates geologic and hydrogeologic data to determine aquifer characteristics, groundwater occurrence and availability, temporal trends, and groundwater basin budgets. The Engineering Geologists reviews and prepares reports, work plans, and data for groundwater studies and conjunctive use projects; develops and reviews groundwater monitoring programs, analyzes hydrogeologic data, and conducts or oversees field investigations including installing monitoring wells, conducting pumping tests, and collecting groundwater samples and water level measurements.</p> <p><i>Positions exist statewide with the Department of Water Resources.</i></p>	
EXAMINATION INFORMATION		<p>This examination will consist of a Qualifications Appraisal Interview – Weighted 100.00%. In order to obtain a position on the eligible list, a minimum rating of 70.00% must be attained. Competitors may <u>only</u> test once during a twelve month period. COMPETITORS WHO DO NOT APPEAR FOR THE INTERVIEW WILL BE DISQUALIFIED.</p>	
SCOPE OF EXAMINATION		<p>Qualifications Appraisal Interview – Weighted 100.00%</p> <p>In addition to evaluating the competitors’ relative abilities as demonstrated by the quality and breadth of experience, emphasis in the examining interview will be on measuring competitively, relative to job demands, each competitor’s:</p> <p>A. Knowledge of:</p> <ol style="list-style-type: none">1. Fundamental principles of engineering geology and hydrogeology.2. Geomorphology, structural geology, stratigraphy, soil mechanics, seismic hazard analysis and site characterization for water storage and conveyance civil structures.3. Groundwater flow principles, stratigraphy and structural geology as it applies to aquifer characterization, aquifer properties, water quality, and well construction.4. Site investigation methods including literature review, geologic mapping, photogeology, and subsurface exploration techniques. <p>B. Ability to:</p> <ol style="list-style-type: none">1. Plan and/or conduct engineering geology and hydrogeology investigations.2. Conduct independent technical research work.3. Conduct accurate tests, record and evaluate observations for engineering geologic and hydrogeologic studies.4. Analyze situations accurately and take effective action.5. Prepare and analyze technical reports.6. Effective written and oral communication skills.	
ADDITIONAL DESIRABLE QUALIFICATIONS		<p>Course work in engineering geology; willingness to travel in performing field work throughout the State; course work and/or experience in environmental engineering, water resource management, hydraulics, and/or hydrogeology; and in addition to registration as a geologist, certification as an engineering geologist or hydrogeologist.</p>	
VETERANS PREFERENCE		<p>Veterans Preference Credit will be added to the final score of all competitors who qualify for and have requested these points from the State Personnel Board and who are successful in all parts of the examination. Due to changes in the law, which were effective January 1, 1996, VETERANS WHO HAVE ACHIEVED PERMANENT CIVIL SERVICE STATUS ARE NOT ELIGIBLE TO RECEIVE VETERANS’ CREDITS.</p>	
GENERAL INFORMATION			
<p>The Department of Water Resources reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all competitors will be notified.</p> <p>For any examination without a written feature it is the candidate's responsibility to contact the Recruitment and Selection Services Section of the Department of Water Resources, (916) 653-4838 three weeks after the final filing date if he/she has not received a progress notice.</p> <p>Applications are available at Department of Water Resources’ (DWR) offices, the DWR website: www.water.ca.gov/jobs/currentexams.cfm, local office of the Employment Development Department, the State Personnel Board (SPB), and the SPB web site: www.spb.ca.gov/jobs.</p> <p>If you meet the requirements stated on the reverse, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. All candidates who pass will be ranked according to their scores.</p> <p>General Qualifications: Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the classification.</p> <p>Examination Locations: When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. Ordinarily, qualifications appraisal interviews are scheduled in Sacramento and Los Angeles. However, locations of interviews may be limited or extended as conditions warrant.</p> <p>If a candidate’s notice of oral interview fails to reach him/her prior to the day of the interview due to a verified postal error, he/she will be rescheduled upon written request.</p> <p>Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) subdivisional promotional, 2) departmental promotional, 3) multidepartmental promotional, 4) servicewide promotional, 5) departmental open, 6) open eligible list. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on this bulletin. In the case of continuous testing examinations, names are merged into the appropriate lists in order of final test scores (except as modified by veterans preference credits) regardless of the date of the test, and the resulting eligible lists will be used only to fill vacancies in the area shown on the bulletin.</p> <p>TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD Device. California Relay Service for the deaf or hearing impaired: From TDD phones: 1-800-735-2929. From voice phones: 1-800-735-2922.</p> <p>For information regarding this examination, please contact Stephanie Mendiola at (916) 651-6930</p>			
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